Amendments to the Claims:
Please cancel Claim 50.

The Claim Listing below will replace all prior versions of the claims in the application:

Claim Listing:

1-43. (Cancelled)

44. (Previously Presented) A copper composition, substantially free of other metals, characterized by one or more spots of magnetic attraction to a neodymium iron boron magnet on the surface of the composition at room temperature.

45. (Previously Presented) The copper composition of Claim 44 wherein the spots of magnetism are observed in a sinusoidal pattern.

46. (Previously Presented) The copper composition according to Claim 44 wherein the magnetic attraction decreases over time.

47. (Previously Presented) The copper composition of Claim 44 wherein the spots of magnetic attraction are present on the radial surface of the composition.

48. (Currently amended) The copper composition of Claim 47 wherein the axial surface of the composition is ~~substantially~~ free of spots of magnetic attraction.

49. (Previously Presented) A copper composition, substantially free of other metals, characterized by point attraction to iron filings at or near 77K.

50. (Cancelled)

51. (Currently amended) A copper composition manufactured by exposing a starting composition to an iterative cyclic process in the presence of a carbon source wherein the starting composition does not attract a magnet, the copper

composition attract a magnet and there is ~~substantially~~ no difference in Gauss readings between the starting composition and the copper composition.

52. (Currently Amended) A copper composition characterized by a magnetic region exhibiting magnetic attraction to a neodymium iron boron magnet and/or iron filings and wherein said composition exhibits a Gauss reading of ~~essentially~~ zero.

53. (Previously Presented) A copper composition characterized by a magnetic region exhibiting magnetic attraction independent of pole and wherein said region attracts a ferromagnetic material.

54. (Currently Amended) A copper composition characterized by a magnetic region exhibiting magnetic attraction independent of pole and wherein said region exhibits a Gauss reading of ~~essentially~~ zero.